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 DNN N1999-074091 DNC C1999-030410  
 TI Releasable coating agent, for e.g. tape or film including sticking tape, etc. - comprises vinyl -type polymer having **fluorine** and/or silicon, water dispersion coating water dispersible urethan resin, etc..  
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 A releasable coating agent comprises a vinyl-type polymer having F and/or Si as the main constituting unit, a water dispersion containing a water dispersible urethan resin having a hydrophilic gp., a **fluorine** containing surfactant having both of polyalkylene oxide and **perfluoroalkyl** at the same time and/or an acetylene glycol of Formula (I), where, R : 1-8C alkyl.  
 Also claimed are : (a) : the vinyl-type polymer is a copolymer of an ethylenic unsaturated monomer having **perfluoroalkyl** and/or an ethylenic unsaturated monomer having polydimethylsiloxane and another ethylenic monomer copolymerisable with the above. (b) : the **fluorine** containing surfactant having both of polyalkylene oxide and **perfluoroalkyl** of Formula  $RfAO(CH_2CH_2O)_nH$  (II),  $CH_2=CR_2COO(CH_2CHR_3O)_nR_4$  (III),  $RfAOCOCR_2=CH_2$  (IV). In the formulae, Rf : 4-20 C **perfluoroalkyl**, A : Q,  $CON(R_1)Q$ ,  $SO_2N(R_1)Q$ , Q : 1-10C alkylene, R<sub>1</sub> : 1-4C alkyl, n in Formula (II) : an integer of 5-40, R<sub>2</sub>, R<sub>3</sub> : H, CH<sub>3</sub>, R<sub>4</sub> : H, 1-4C alkyl, (meth)**acryloyl**, n in Formula (IV) : an integer of 1-100) (b) : an application method of the releasable coating agent comprises applying the agent to the surface of a plastics article.  
 USE - The releasable coating agent is used for releasing agent for plastic article, such as tape or film including sticking tape, etc.  
 ADVANTAGE - The releasable coating agent is excellent in application property to a substrate and a coated film of the agent slightly occurs migration and is excellent in releasability.  
 Dwg.0/0

*Lein Hybrid-System  
 F nicht in PCU-System*